up to 35 percent of the length of the vessel shall be increased by:

$$0.09 \ (328 - L) \ [0.35 - (E/L)] \text{ inches}$$

where:

L=length of vessel in feet.
E=effective length of superstructure in feet as defined in § 42.20–50.

[CGFR 68–60, 33 FR 10064, July 12, 1968]

§ 42.20–25 Correction for block coefficient.

If the block coefficient (Cb) exceeds 0.68, the tabular freeboard specified in § 42.20–15 as modified, if applicable, by §§ 42.20–5 (b) and (d), and 42.20–20(a) must be multiplied by the factor (Cb+0.68)/1.36.

[CGD 79–153, 48 FR 38650, Aug. 25, 1983]

§ 42.20–30 Correction for depth.

(a) Where D exceeds $L^{1}/_{15}$ the freeboard shall be increased by $[D - (L/15)]$ R inches, where R is $L/131.2$ at lengths less than 393.6 feet and 3 at 393.6 feet length and above.

(b) Where D is less than $L/15$ no reduction shall be made except in a vessel with an enclosed superstructure covering at least 0.6L amidships, with a complete trunk, or combination of detached enclosed superstructures and trunks which extend all fore and aft, where the freeboard shall be reduced at the rate prescribed in paragraph (a) of this section.

(c) Where the height of superstructure or trunk is less than the standard height, the reduction shall be in the ratio of the actual to the standard height as defined in § 42.20–40.

[CGFR 68–60, 33 FR 10064, July 12, 1968]

§ 42.20–35 Correction for position of deck line.

(a) Where the actual depth to the upper edge of the deck line is greater or less than $D,$ the difference between the depths shall be added to or deducted from the freeboard.

[CGFR 68–60, 33 FR 10065, July 12, 1968]

§ 42.20–40 Standard height of superstructure.

(a) The standard height of a superstructure shall be as given in Table 42.20–40(a):

TABLE 42.20–40(A) STANDARD HEIGHTS (IN FEET) [1]

Length (L) (in feet)	Raised quarter deck	All other super structures
98.5 or less	3.0	5.9
246	3.9	5.9
410 or more	5.9	7.5

[1] The standard heights at intermediate lengths of the vessel shall be obtained by linear interpolation.

[CGFR 68–60, 33 FR 10065, July 12, 1968, as amended by CGFR 68–126, 34 FR 9015, June 5, 1969]

§ 42.20–45 Length of superstructure.

(a) Except as provided in paragraph (b) of this section, the length of a superstructure (S) shall be the mean length of the parts of the superstructure which lie within the length (L).

(b) Where the end bulkhead of an enclosed superstructure extends in a fair convex curve beyond its intersection with the superstructure sides, the length of the superstructure may be increased on the basis of an equivalent plane bulkhead. This increase shall be two-thirds of the fore and aft extent of curvature. The maximum curvature which may be taken into account in determining this increase is one-half the breadth of the superstructure at the point of intersection of the curved end of the superstructure with its side.

[CGFR 68–60, 33 FR 10065, July 12, 1968, as amended by CGFR 68–126, 34 FR 9015, June 5, 1969]

§ 42.20–50 Effective length of superstructure.

(a) Except as provided for in paragraph (b) of this section the effective length (E) of an enclosed superstructure of standard height shall be its length.

(b) In all cases where an enclosed superstructure of standard height is set in from the sides of the vessel as permitted in § 42.13–15(j), the effective length shall be the length modified by the ratio of $b/Bs,$

where:

''b'' is the breadth of the superstructure at the middle of its length;
''Bs'' is the breadth of the vessel at the middle of the length of the superstructure.